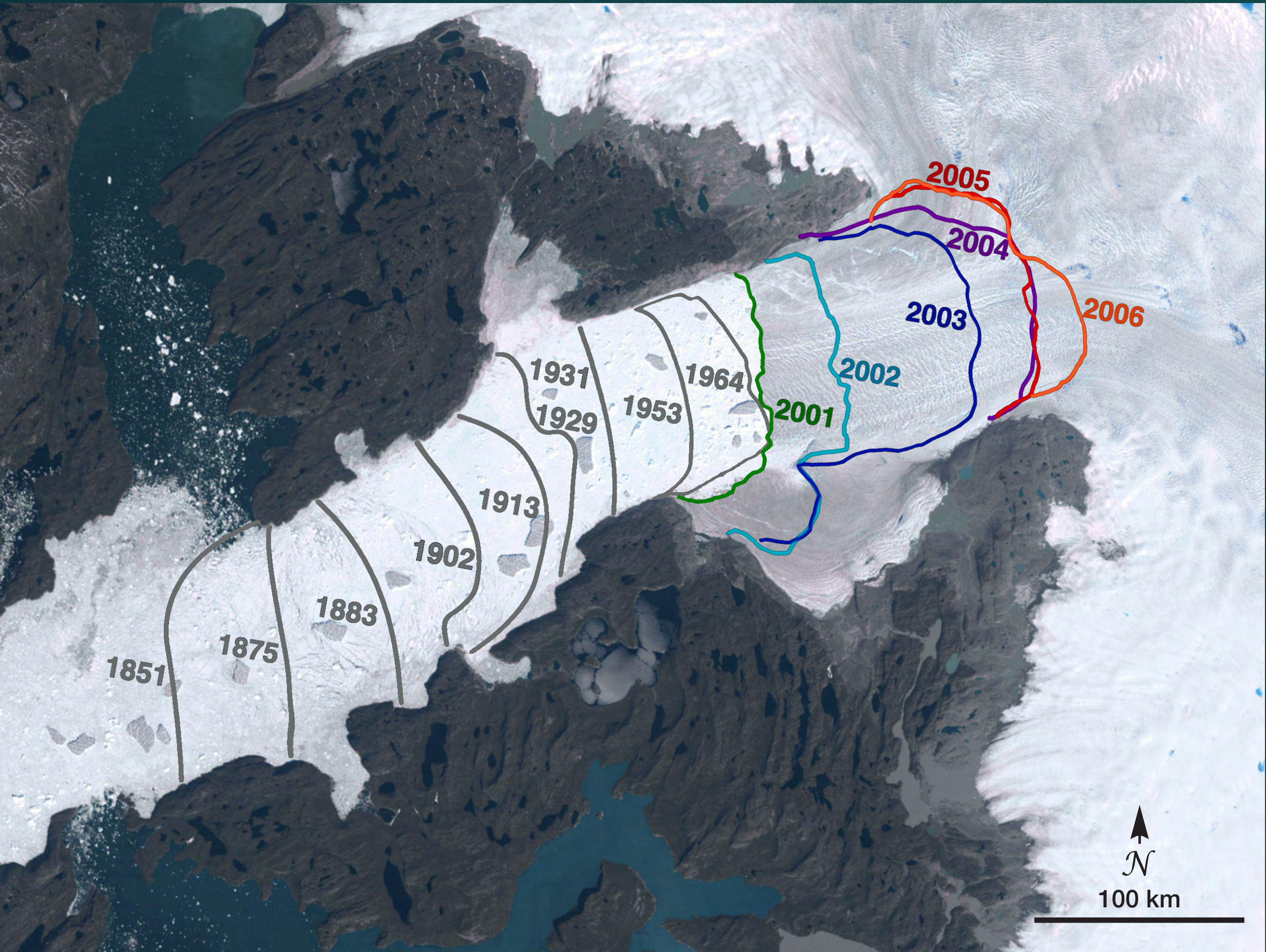


# Melting Polar Ice and the Threat of Global Change

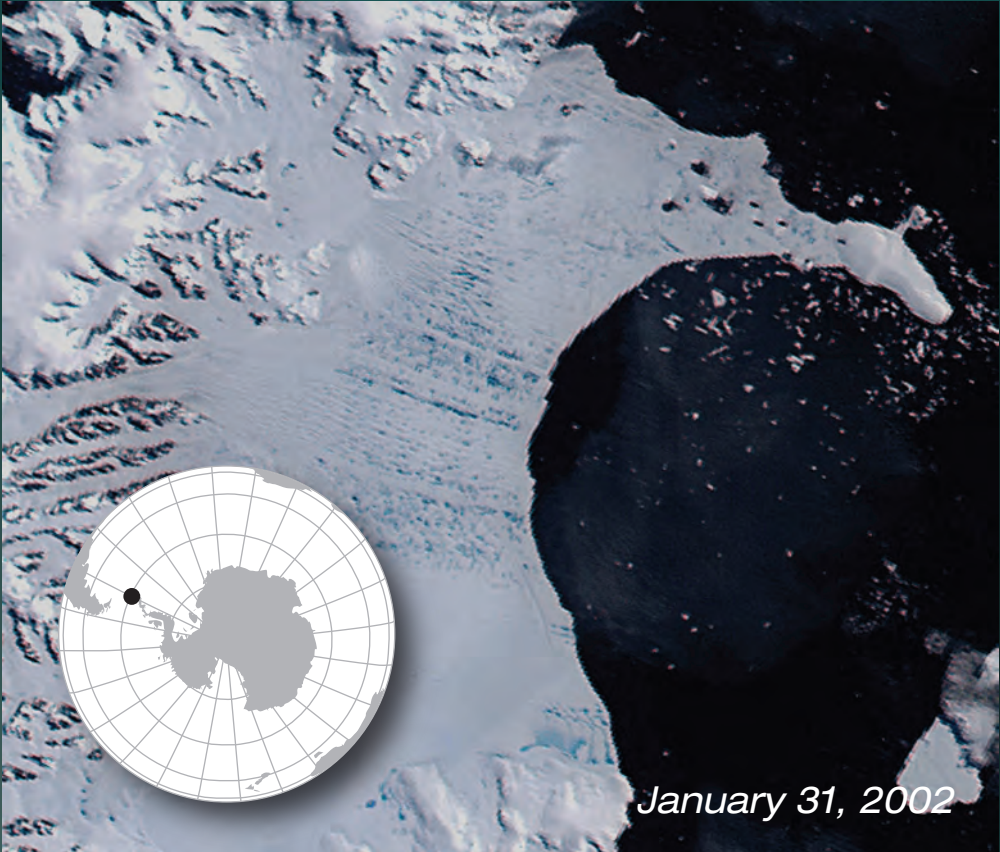


Jakobshavn Glacier, Greenland. Ice front receded more than 40 km between 1850 and 2006. (Historic calving front locations (gray) are from Anker Weidick and Ole Bennike; recent calving fronts (colors) are from the ETM+ instrument on the Landsat 7 satellite and the ASTER instrument on the Terra satellite since 2001)

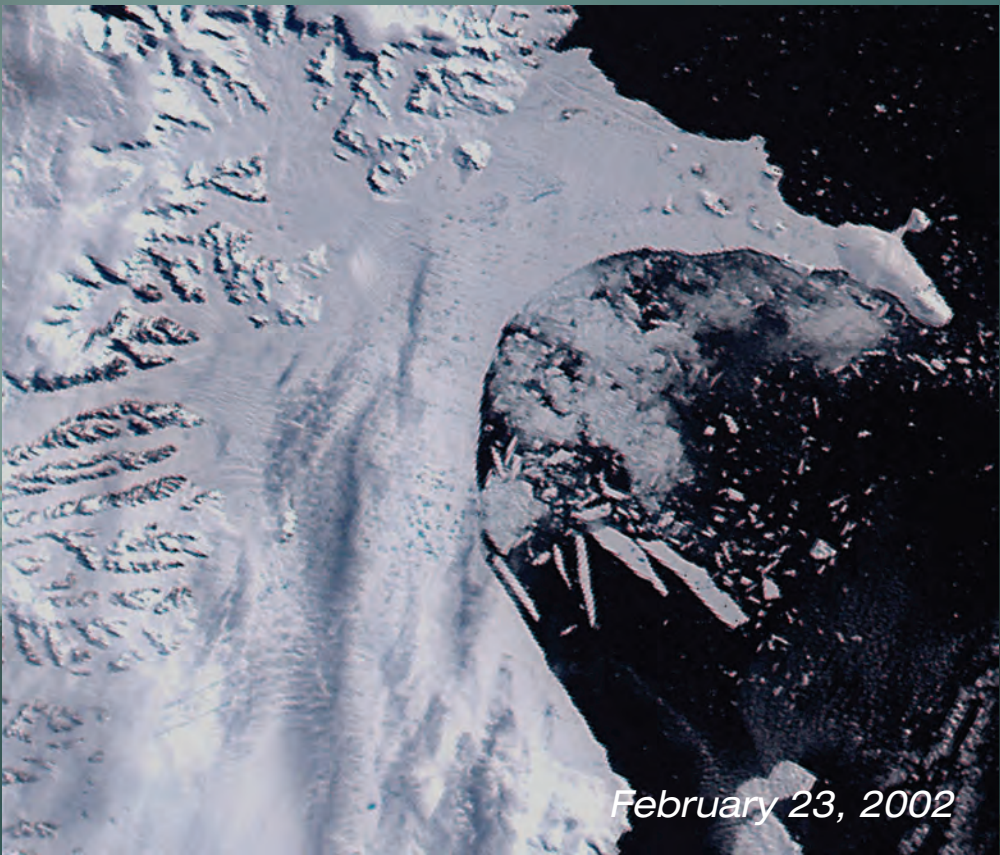


Jakobshavn Glacier, Greenland. Ice fjord near the floating terminus.

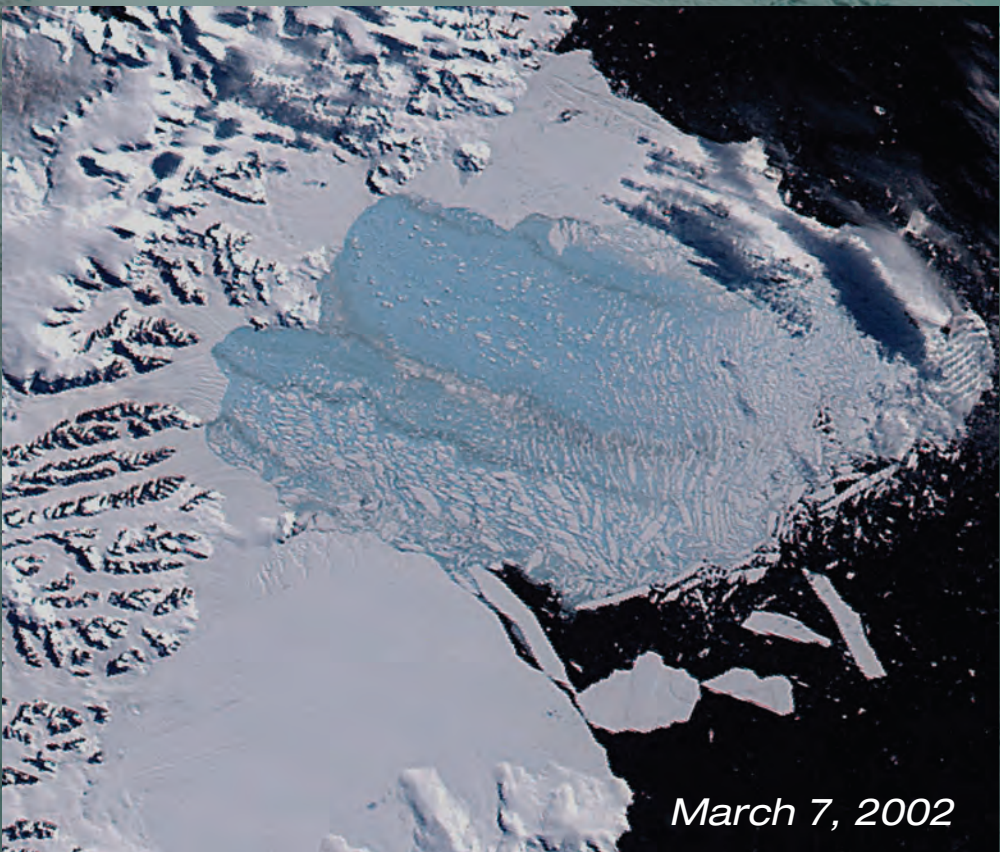
- Warmer worldwide temperatures have an amplified effect at the North and South Poles.



The Antarctica Larsen B Ice Shelf disintegrated in February 2002, it had been stable for 12,000 years. The bluish melt ponds are seen dotting the surface of the shelf.



The ice shelf breaking apart.



The last phases of the ice shelf retreat totaled ~2,600 km<sup>2</sup> (~1,004 square miles), about the size of Rhode Island.

# NPP

npoes preparatory project